Claims

1. A method of enabling an action by the presence of embedded data.

2. The method of claim 1 in which the enabling process inlcudes

   (a) retrieving the embedded data into memory;

   (b) using a logic processor to determine if the embedded data allows the desired action; and

   (c) allowing the desired action if the embedded data allows the desired action.

3. The method of claim 1 in which the process includes encryption of the auxiliary information.

4. The method of claim 1 in which the auxiliary information is dynamically modified based upon the original data.

5. The method of claim 4 in which the process includes encryption of the auxiliary information.

6. The method of claim 1 in which the encryption key is stored in a database accessible by both the sending and receiving devices.

7. The method of claim 1 in which the encryption key is stored within the receiving device and is the same for every media segment.

8. The method of tracing an illegal version of media to the creation device using data embedded by the creation device.

9. The method of claim 8 in which only mass-duplication creation devices embed the embedded data whereby not inconveniencing the average user.

10. The method of claim 8 in which the device is a virtual or software creation device.

11. The method of dynamically locking embedded data in which the auxiliary information is modified based upon the original or correlated data.

35   12. The method of claim 11 in which the auxiliary

information is also encrypted

13. The method of claim 12 in which modifying the auxiliary information is based upon the value of the peak or threshold crossing as used in patent

5 application #_____ filed on 9/23/99 entitled "Method and apparatus for embedding auxiliary information within original data" by the same author as this application, Kenneth L. Levy.

14. The method of claim 12 in which modifying the

10 auxiliary information is based upon the values previous in time to the embedded bit stream in Patent #5,774,452 by Jack Wolosewicz of Aris Technologies.

15. The method of claim 12 in which modifying the

15 auxiliary information is based upon unchanged original data bits purposely skipped when embedding a PN sequence.

16. The method of claim 12 in which modifying the auxiliary information is based upon original data

20 bits which are not used for embedding because the PN sequence is forced to designate these as non-embedding data in locations.

17. The method of claim 12 further including an embedding process, which involves repetitively

25 placing the locked auxiliary data bits in slots located in the header of each frame.

18. The method of claim 12 further including an embedding process, which involves placing the locked auxiliary data bits in the global header of the

30 file.

19. The method of dynamically unlocking retrieved data in which the auxiliary information is unmodified based upon the original or correlated data.

20. The method of claim 19 in which the auxiliary

35 information is also encrypted

21. The method of claim 20 in which unmodifying the
auxiliary information is based upon the value of the
peak or threshold crossing as used in patent
application #_____ filed on 9/23/99 entitled

5   "Method and apparatus for embedding auxiliary
information within original data" by the same author
as this application, Kenneth L. Levy.

22. The method of claim 20 in which unmodifying the
auxiliary information is based upon the values

10   previous in time to the embedded bit stream in
Patent #5,774,452 by Jack Wolosewicz of Aris
Technologies.

23. The method of claim 20 in which umodifying the
auxiliary information is based upon unchanged

15   original data bits purposely skipped when embedding
a PN sequence.

24. The method of claim 20 in which unmodifying the
auxiliary information is based upon original data
bits which are not used for embedding because the PN

20   sequence is forced to designate these as non-
embedding data in locations.

25. The method of claim 20 further including a
retrieving process, which involves repetitively
placing the locked auxiliary data bits in slots

25   located in the header of each frame.

26. The method of claim 20 further including a
retrieving process, which involves placing the
locked auxiliary data bits in the global header of
the file.

30   27. The apparatus including a logic processor and
memory to implement the invention's enabling,
registration or dynamic locking processes.

28. The apparatus of claim 27 used to dynamically lock
auxiliary information wherein the logic processor

35   and storage unit include

(a) a modifying device which modifies the auxiliary
    data by the original data; and

(b) an encrypting device which encrypts the data.

29. The apparatus of claim 27 used to dynamically
    unlock auxiliary information wherein the logic
    processor and storage unit include

(a) a unmodifying device which unmodifies the
    auxiliary data by the original data; and

(b) a decrypting device which decrypts the data.